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Sequence Listing was accepted.

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Reviewer: Durreshwar Anjum

Timestamp: Wed Oct 10 10:22:36 EDT 2007

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Application No: 10580142 Version No: 1.0

Input Set:

Output Set:

Started: 2007-09-24 09:37:15.857
Finished: 2007-09-24 09:37:16.873
Elapsed: 0 hr(s) 0 min(s) 1 sec(s) 16 ms
Total Warnings: 4
Total Errors: 0
No. of SeqIDs Defined: 14
Actual SeqID Count: 14

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<110> Aventis Pasteur Limited
Brunham, Robert
Raudonikiene, Ausra
Gallichan, Scott
Murdin, Andrew

<120> Immunization Against Chlamydia Infection

<130> APL-03-03-PCT-US

<140> 10580142

<141> 2007-09-24

<150> PCT/CA2004/002001

<151> 2004-11-19

<150> 60/481, 690

<151> 2003-11-21

<160> 14

<170> PatentIn version 3.3

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ttg tgt caa aaa tct att cct caa gct ctg gag tcc tat ctt gag gca      144
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50 55 60	
aag tca tac tta caa caa agt ctc ttt tct gaa gat gct tac gta cgc	240
Lys Ser Tyr Leu Gln Gln Ser Leu Phe Ser Glu Asp Ala Tyr Val Arg	
65 70 75 80	

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gat cta ctg tct gaa tcc ata gaa aca cag gat ctt tat gag cag cta Asp Leu Leu Ser Glu Ser Ile Glu Thr Gln Asp Leu Tyr Glu Gln Leu	100	105	110	336	
ctt att tta aat gct gca ggc aat caa tta ggc aaa act tcc gat cgt Leu Ile Leu Asn Ala Ala Gly Asn Gln Leu Gly Lys Thr Ser Asp Arg	115	120	125	384	
ctt tta ttc aaa gga tta aca gca cct cat cct att att cgc ttg gaa Leu Leu Phe Lys Gly Leu Thr Ala Pro His Pro Ile Ile Arg Leu Glu	130	135	140	432	
gct gct tac cgt ctg gcc tgt atg aaa aac agt aaa gta agt gac tac Ala Ala Tyr Arg Leu Ala Cys Met Lys Asn Ser Lys Val Ser Asp Tyr	145	150	155	160	480
ctc tat tct ttt atc cac cag ctt cca gaa gaa atc caa aac tta gca Leu Tyr Ser Phe Ile His Gln Leu Pro Glu Glu Ile Gln Asn Leu Ala	165	170	175	528	
gca acg att ttt ttg cag ctc gaa acg gaa gaa gca gat gct tat gtt Ala Thr Ile Phe Leu Gln Leu Glu Thr Glu Glu Ala Asp Ala Tyr Val	180	185	190	576	
cat aga ctc ctg tct tct cct aat agt cta aca aga aac tat atg gct His Arg Leu Leu Ser Ser Pro Asn Ser Leu Thr Arg Asn Tyr Met Ala	195	200	205	624	
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 Ile Lys Glu Glu Ile Lys Leu Asn Ala Ala Leu Ala Leu Val His Leu
 325 330 335
 gga agc gtt aat cac cta gtg ctt agt tat tta aca gaa ttt tta gaa 1056
 Gly Ser Val Asn His Leu Val Leu Ser Tyr Leu Thr Glu Phe Leu Glu
 340 345 350
 aat aaa att ctc cac cgc ata ttt tta ccc acc cat tcg ata gga aaa 1104
 Asn Lys Ile Leu His Arg Ile Phe Leu Pro Thr His Ser Ile Gly Lys
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 Ile Leu Ser Ser Leu Leu Lys Leu Pro Asn Asn Ala Tyr Leu Pro Tyr
 405 410 415
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 Ile Ala Phe Leu Ser Val Thr Ala His Pro Gln Ala Leu Ser Leu Val
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 tcg aaa gca gca cta act cca gga gac cct atc att cgc gct tat gcg 1392
 Ser Lys Ala Ala Leu Thr Pro Gly Asp Pro Ile Ile Arg Ala Tyr Ala
 450 455 460
 aat tta gct tta tat aca atg acg caa gat cct gaa aag aaa gcc tta 1440
 Asn Leu Ala Leu Tyr Thr Met Thr Gln Asp Pro Glu Lys Lys Ala Leu
 465 470 475 480
 tta tat caa tat gcc gaa cag tta ata gga gac acg att ttg ttt aca 1488
 Leu Tyr Gln Tyr Ala Glu Gln Leu Ile Gly Asp Thr Ile Leu Phe Thr
 485 490 495
 gat gag gag aat ccc ctg cct tct ccc cat tct tcc tac ctg cga tat 1536
 Asp Glu Glu Asn Pro Leu Pro Ser Pro His Ser Ser Tyr Leu Arg Tyr
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530

535

540

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1680

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1698

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Ser Thr Thr Tyr Gln Gln His Asn Phe Ser Ile Leu Arg Leu Ile Ala
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Lys Ser Tyr Leu Gln Gln Ser Leu Phe Ser Glu Asp Ala Tyr Val Arg
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Lys Ser Ala Ile Ile Gly Ala Gly Leu Ser Gly Ser Ser Glu Thr Leu
85 90 95

Asp Leu Leu Ser Glu Ser Ile Glu Thr Gln Asp Leu Tyr Glu Gln Leu
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Leu Ile Leu Asn Ala Ala Gly Asn Gln Leu Gly Lys Thr Ser Asp Arg
115 120 125

Leu Leu Phe Lys Gly Leu Thr Ala Pro His Pro Ile Ile Arg Leu Glu
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Ala Ala Tyr Arg Leu Ala Cys Met Lys Asn Ser Lys Val Ser Asp Tyr
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Leu Tyr Ser Phe Ile His Gln Leu Pro Glu Glu Ile Gln Asn Leu Ala
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Ala Thr Ile Phe Leu Gln Leu Glu Thr Glu Glu Ala Asp Ala Tyr Val
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His Arg Leu Leu Ser Ser Pro Asn Ser Leu Thr Arg Asn Tyr Met Ala
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Tyr Leu Ile Gly Glu Tyr Gln Gln Arg Arg Phe Leu Pro Thr Leu Arg
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Ser Leu Leu Thr Ser Ala Ala Pro Leu Asp Gln Glu Gly Ser Leu Tyr
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Ala Ile Gly Lys Leu Glu Asp Ala Ser Ser Tyr Pro Lys Ile Lys Ala
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Leu Ser Ser Lys Ser Asn Pro Glu Val Ala Leu Ala Ala Ala Gln Thr
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Phe Cys Gln Gln Glu Leu Pro Arg Ala Ile Tyr Thr Ser Arg Phe Leu
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Ser Leu Glu Lys Gly Glu Glu Leu Leu Pro Ile Phe Cys Lys Ala
305 310 315 320

Ile Lys Glu Glu Ile Lys Leu Asn Ala Ala Leu Ala Leu Val His Leu
325 330 335

Gly Ser Val Asn His Leu Val Leu Ser Tyr Leu Thr Glu Phe Leu Glu
340 345 350

Asn Lys Ile Leu His Arg Ile Phe Leu Pro Thr His Ser Ile Gly Lys
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Ala Thr Gln Phe Trp Lys Glu Cys Thr Ala Leu Pro Leu Leu Ser Pro
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Ile Leu Ser Ser Leu Leu Lys Leu Pro Asn Asn Ala Tyr Leu Pro Tyr
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Leu Glu Arg Ile Leu Thr Ser Gln Lys Thr Pro Leu Ala Ala Lys Ala
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Ile Ala Phe Leu Ser Val Thr Ala His Pro Gln Ala Leu Ser Leu Val
435 440 445

Ser Lys Ala Ala Leu Thr Pro Gly Asp Pro Ile Ile Arg Ala Tyr Ala
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Asn Leu Ala Leu Tyr Thr Met Thr Gln Asp Pro Glu Lys Lys Ala Leu
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Leu Tyr Gln Tyr Ala Glu Gln Leu Ile Gly Asp Thr Ile Leu Phe Thr
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Asp Glu Glu Asn Pro Leu Pro Ser Pro His Ser Ser Tyr Leu Arg Tyr
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Gln Val Ser Pro Glu Thr Arg Ser Gln Leu Met Leu Thr Ile Leu Glu
515 520 525

Thr Leu Val Ser Ser Lys Thr Asp Glu Asp Ile Arg Val Phe Leu Ser
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20 25 30	
tct tgc cga aaa tca gtc cct caa gct cta gaa gcc tat ctc gaa gct	144
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Glu Ser Tyr Leu Gln Gln Ser Phe Leu Ser Glu Asp Thr Tyr Ile Arg	
65 70 75 80	
aaa agt gca att att gga gca ggg cta tct ggt tca tca gaa gct tta	288
Lys Ser Ala Ile Ile Gly Ala Gly Leu Ser Gly Ser Ser Glu Ala Leu	
85 90 95	
gag tta ctg tct gag gct ata gaa acg caa gat ctc tat gag caa cta	336
Glu Leu Leu Ser Glu Ala Ile Glu Thr Gln Asp Leu Tyr Glu Gln Leu	
100 105 110	
ctc att tta aat gct gca acc agc caa tta agc aaa act tct gac aaa	384
Leu Ile Leu Asn Ala Ala Thr Ser Gln Leu Ser Lys Thr Ser Asp Lys	
115 120 125	
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Ala Ala Tyr Arg Leu Ala Cys Met Lys Asn Ser Lys Val Ser Asp Tyr	
145 150 155 160	
ctt tat tct ttt atc tac aag tta cca gaa gaa att caa aac cta gcg	528
Leu Tyr Ser Phe Ile Tyr Lys Leu Pro Glu Glu Ile Gln Asn Leu Ala	
165 170 175	
gca act att ttc tta caa ctc gaa aca gaa gaa gct gat gct tat att	576
Ala Thr Ile Phe Leu Gln Leu Glu Thr Glu Glu Ala Asp Ala Tyr Ile	
180 185 190	
cat cat ttg ctc tct ccc aat aac ctg aca aga aac tat gtt gcc	624
His His Leu Leu Ser Ser Pro Asn Asn Leu Thr Arg Asn Tyr Val Ala	
195 200 205	
tat tta att gga gag tac aaa caa aaa aga ttt ctt cca aca cta cgc	672
Tyr Leu Ile Gly Glu Tyr Lys Gln Lys Arg Phe Leu Pro Thr Leu Arg	
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225 230 235 240

gcg tta ggc aaa ctg gaa gac tct ggt agc tat cct aga att aaa gct 768
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245 250 255

cta agc tct aga tcc aat cct gaa gta gta ctc gct gca gct cag aca 816
Leu Ser Ser Arg Ser Asn Pro Glu Val Val Leu Ala Ala Ala Gln Thr
260 265 270

tta tta ttc tta gag aaa gaa gaa gaa gct cta ccg atc cta acc aac 864
Leu Leu Phe Leu Glu Lys Glu Glu Ala Leu Pro Ile Leu Thr Asn
275 280 285

ctt tgc caa caa aaa ctt ctt cga gcc ctg tat acc gca cgt ttc ctc 912
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290 295